

In re Appln. of Daniele Venturini
Application No. 09/937,941

AMENDMENTS TO THE CLAIMS

Rewrite claims 8 and 11 as indicated below.

1. (Canceled)
2. (Previously Presented) A bone screw according to claim 11 characterised in that said shaped bottom land has in cross-section an obtuse angle (β) of conical convergence towards the longitudinal axis of the screw.
3. (Original) A bone screw according to Claim 2, characterised in that said obtuse angle (β) is an angle of at least 150°.
4. (Previously Presented) A bone screw according to claim 11, in which the acute angle of the cross-sectional profile of said teeth is in the range of 15° to 30°.
5. (Previously Presented) A bone screw according to claim 11, characterised in that said constant pitch is of 1.25mm.
6. (Previously Presented) A bone screw according to claim 11, characterised in facing walls of adjacent threads have in cross-section an acute angle (α) of conical convergence towards the longitudinal axis of the screw.
7. (Original) A bone screw according to Claim 6, characterised in that said acute angle (α) is an angle in the 15° to 30° range.
8. (Currently Amended) A bone screw according to claim + 11, characterised in that the threaded portion (5) accounts for [about] one third of the screw length.
9. (Previously Presented) A bone screw according to claim 11, characterised in that the height of the thread is three fifths the pitch length.
10. (Original) A bone screw according to Claim 9, characterised in that said height is 0.75mm.
11. (Currently Amended) A bone screw for use in orthopaedic surgery with external fixture fixation devices comprising a head at one end, a shank, and a single threaded portion at an opposite end, a non-threaded cylindrical shank between said head and threaded portion, said head having a non-threaded configuration for securement by an orthopaedic external fixation device, said threaded portion having an outside diameter and a core diameter which tapers toward a tip at an end opposite from the head, said threaded portion having at

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least one constant pitch section, said threaded portion having threads formed with an acute angle generally triangular cross-sectional profile, said threads being separated from each other by a shaped bottom land having a concave profile defined by two countersloping planes, said threads having a constant height with the ratio of the outside diameter to and said core diameter within a range of 1.43 to 1.60, and said threaded portion and head having diameters no greater than the diameter of said shank.